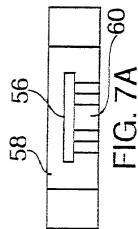
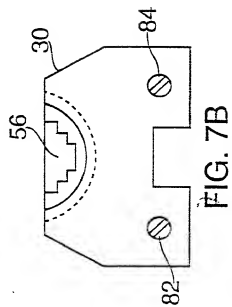


FIG. 1



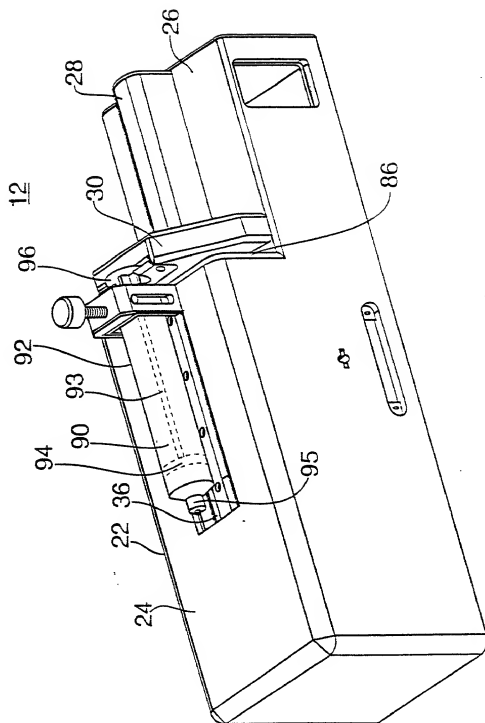


FIG. 2

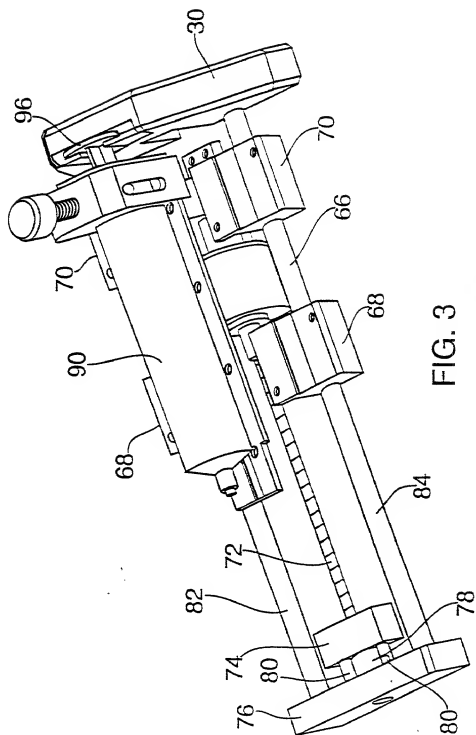


FIG. 3

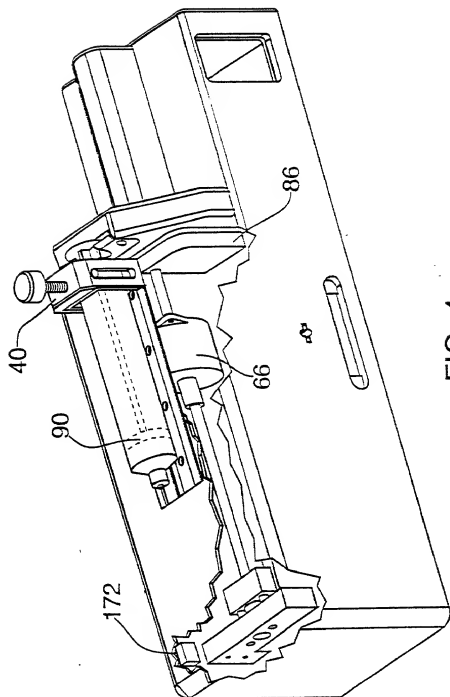


FIG. 4

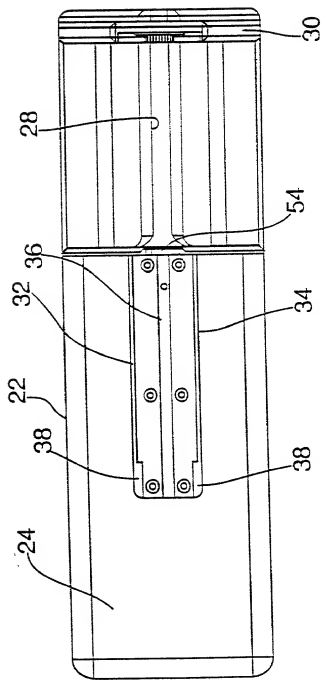
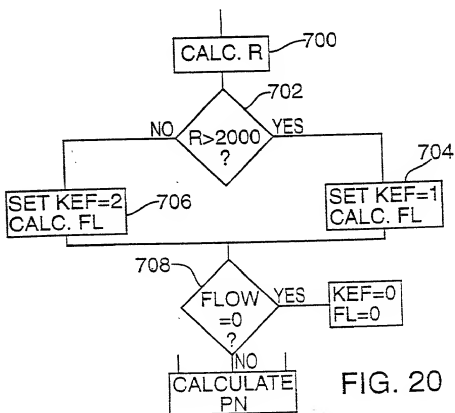
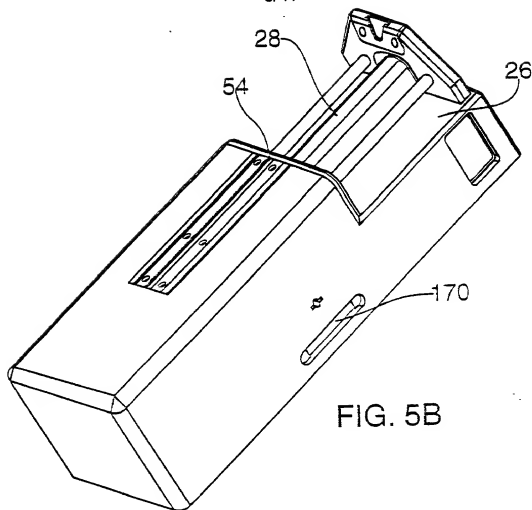


FIG. 5A



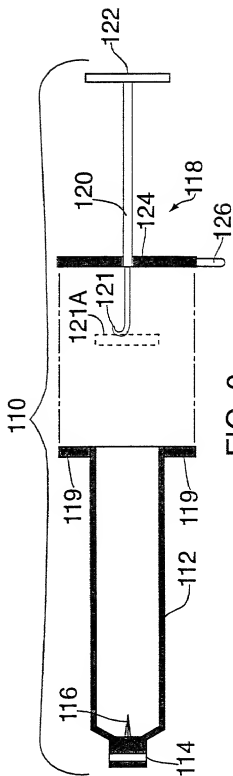


FIG. 9

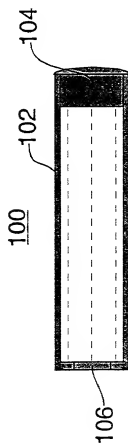


FIG. 8
(PRIOR ART)

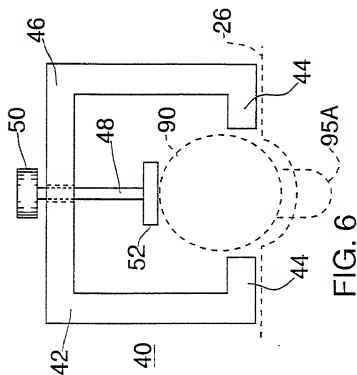


FIG. 6

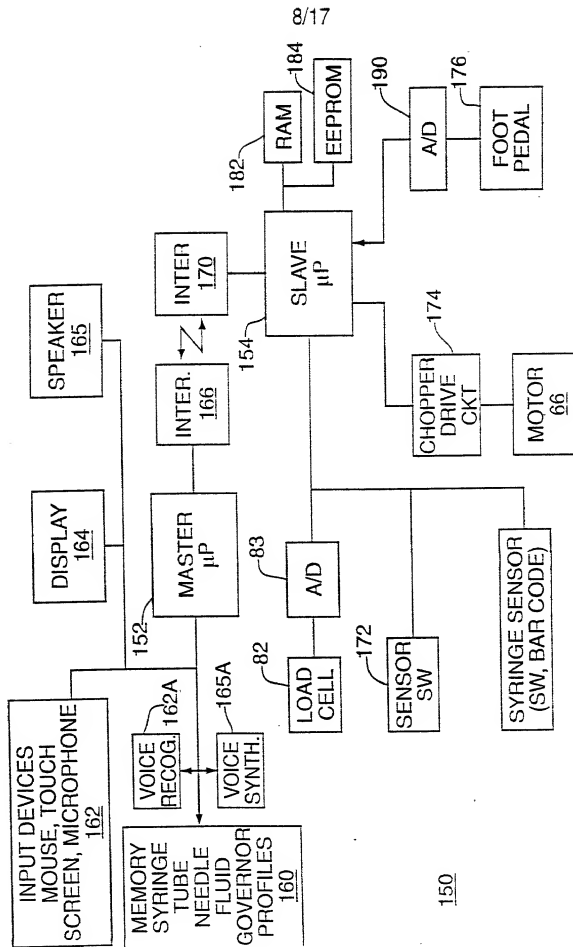


FIG. 10

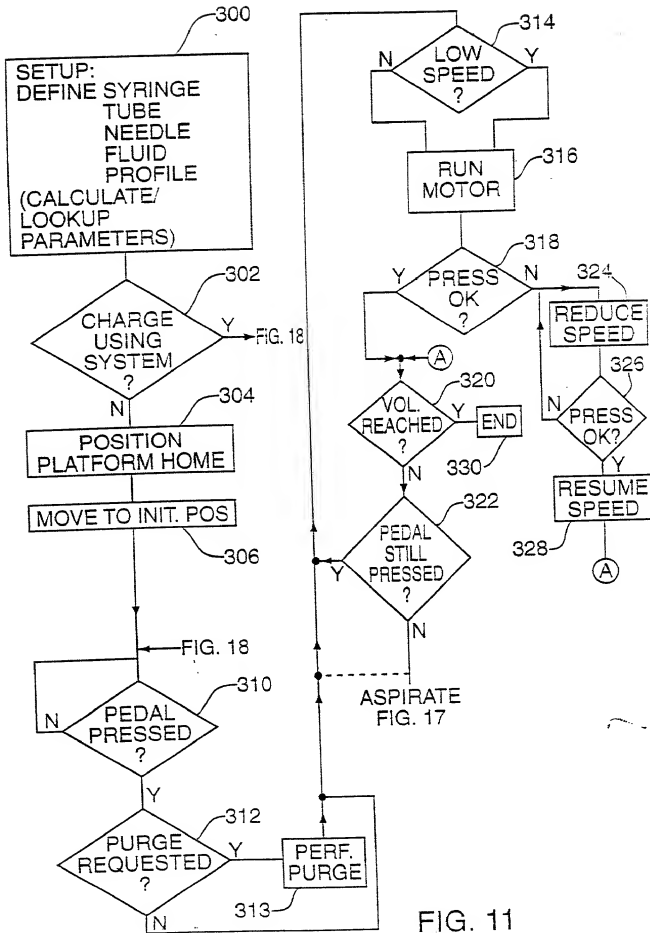


FIG. 11

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Milestone Database Setup

Syringe

Type	Stroke Length	Syringe Force	Normal Volume (CC)	Full Point
1100C	1.9	0.5	1.8	1
1000C	2	0.33	3	2.5
1050C	1.75	1	2	9.8
1100C	2.4	1.3	70	2.77
1200C	2.76	1.8	20	1.65

Needle

Type	Gage	Diameter	Length
7-BD-305128	30	0.005	
8-BD-305136	27	0.02	1.25
DB-30033			
DB-1224			
asofsaad	23	23	23

Fluid

Type	Viscosity	Specific Weight
XISgov	000001	0.0002
Isoprop Fluid	1	2
Alcohol	1	5

Tube

Type	Diameter	Length
TUC00000	0.678	0.599
Ttuber1	0.015	54
Ttuber2	0.015	66

Machine Constants

Force	Travel	Max Force	Zero Adjust	Throttle Back	Scale Factor	Time	Force Zero	Low End	Low Start	High End	High Start	High Aspirate
1	0.5	4.5	40	2	0.75	27	0					

Machine Profile Setup Screen
Set Values for Components of Delivery System
Setup Variable for Machine

FIG. 12A

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506

Milestone Scientific (Profile Setup)

File Edit Search Run

VOLUME

General

Test Profile Name:

Last Date Modified:

Last Time Modified:

System Sizes

Spring	Needle Volume: <input type="text" value="60 CC"/>
	Stroke Length: <input type="text" value="4.25 in"/>
	Stroke Force: <input type="text" value="2.75 in"/>
	Stroke Rate: <input type="text" value="0.2 in"/>
Needle	Needle ID: <input type="text" value="BD305135"/>
	Gauge: <input type="text" value="2"/>
	Length: <input type="text" value="1.25 in"/>
	Diameter: <input type="text" value="0.05 in"/>
Tube	Tube ID: <input type="text" value="Tubaf1"/>
	Length: <input type="text" value="54 in"/>
	Diameter: <input type="text" value="0.015 in"/>
Fluid	Fluid: <input type="text" value="Body"/>
	Viscosity: <input type="text" value="0.001"/>
	Specific Weight: <input type="text" value="0.002"/>
	Augmentation: <input type="text" value="1"/>

510

Release 2.1

Specifics

Volume: CC

☐ Charged

☐ Charged w/ Air

☐ Charged w/o Air

☐ Aspirate

☐ No Aspirate

Calculations

Needle Volume: CC

Tube Volume: CC

System Volume: CC

Volume/Step (max 25 in.): CC

Max Pressure (Low Flow): PSI

Max Pressure (High Flow): PSI

Max Flow: CC/Sec

502

Values

Control: ☐ Isolated

Type:

Low Flow: CC/Sec

High Flow: CC/Sec

Pressure Limit: PSI

Additional Charge Flow: CC/Sec

Indicator: CC

Aspirate Volume: CC

Flow: CC/Sec

Dwell: Sec

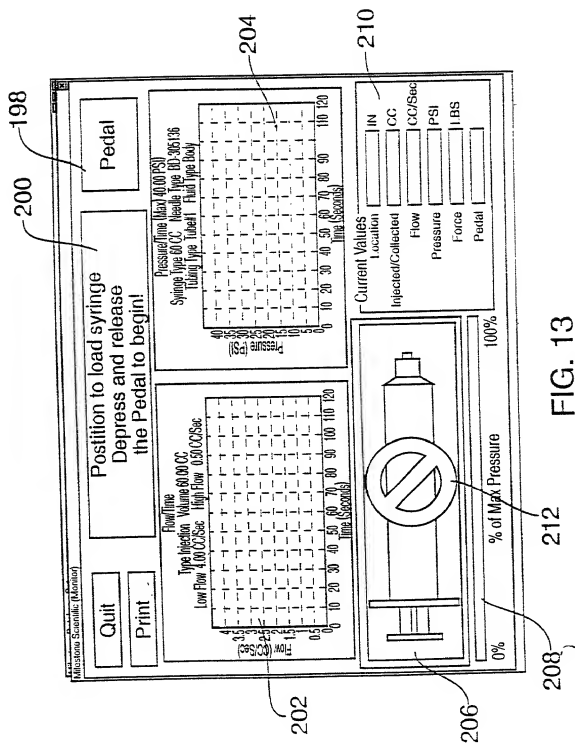
Purge Volume: CC

Flow: CC/Sec

Physiologic Source:

504

FIG. 12B



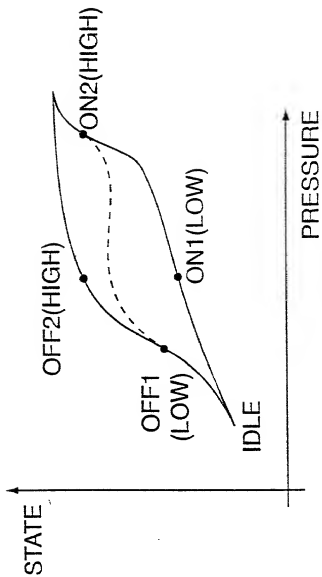


FIG. 14

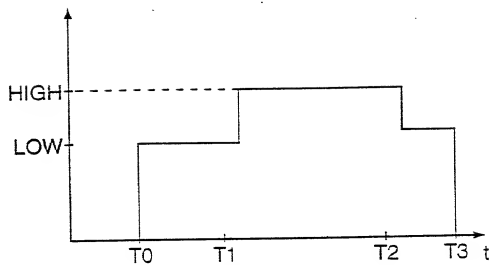


FIG. 15A

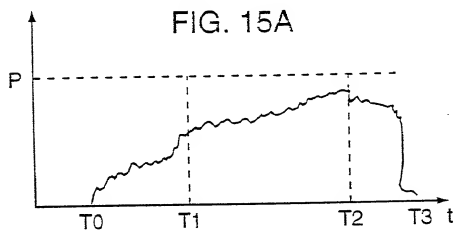


FIG. 15B

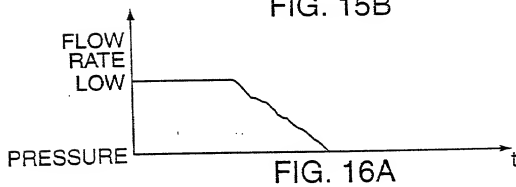


FIG. 16A

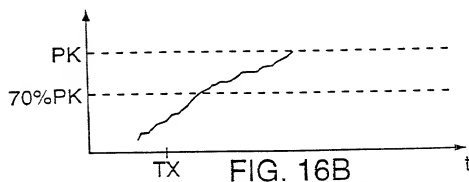


FIG. 16B

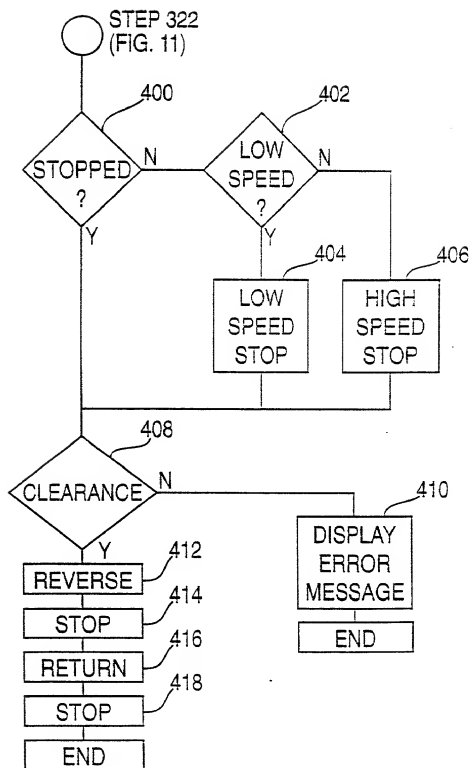


FIG. 17

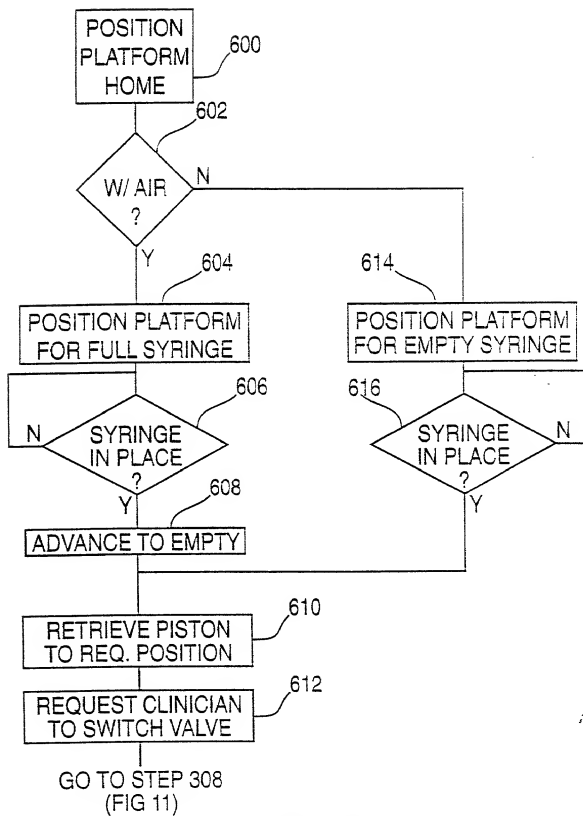


FIG. 18

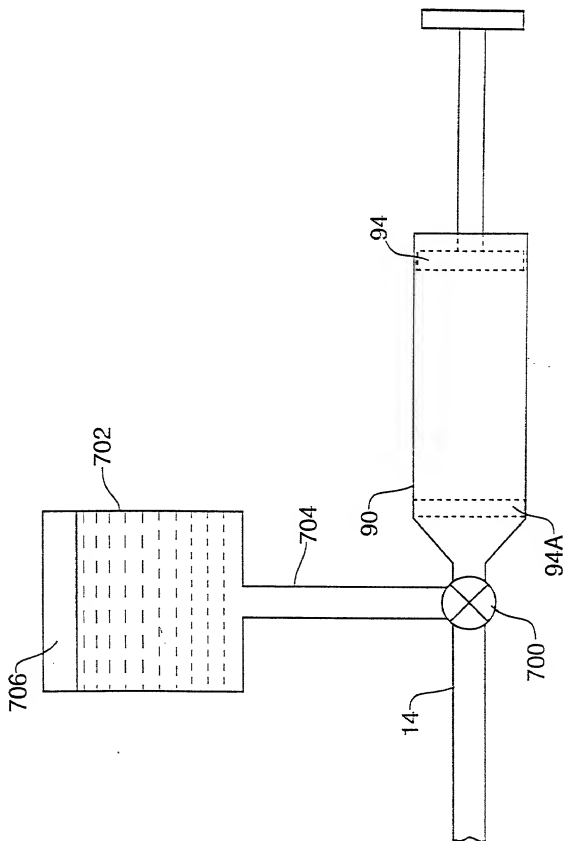


FIG. 19